

Behavior of 3-, 4-, and 5-Alkenyl Halides in Condensation Reactions with Alkyl Halides in Presence of Magnesium, by M. A. Chaltsova, E. A. Chernyshev, A. D. Petrov, 6 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No. 3, May Jun 1955, pp 522-527. CIA C 39502

Consultants Bureau

USSR  
Scientific - Chemistry

Nov 55 CTS/DEX

28,812

The Condensation of Pinacol-Hydrogen Halide  
Reaction Products With Allyl Chloride in  
Presence of Magnesium, by A. D. ~~XXXX~~ Petrov,  
N. I. Shebanova, 6 pp.

Full. tr.

RUSSIAN, no per Zhur Oosheh Khin, Vol XXV, No  
10, 1955, pp 1982-1986. CIA 542765-C, reel 3.

Consultants Bureau

Scientific - Chemistry  
Aug 56 CTS

37,458

The Synthesis and Decomposition of High-  
Molecular Weight Glycols, by M. A.  
Ghal'tsova, A. D. Petrov,

RUSSIAN, per 3 x mo, Dok Ak Nauk SSSR,  
Vol LVIII, No 7, 1947, pp 1379-1381.

Res Info Ser R.583  
53 Nassau Street,  
New York 5, N. Y.

32,078

Sci - Chemistry

PETROV, A. D., and MITROFANOVA, E. V.

The Synthesis of  $\gamma$ -Acetylene Glycols by the Grignard-Iotsich and Favorsky-Babayana Reactions

Zhur Oshch Khim, Vol XV, No 2, 1950 (Feb), pp 289-294

\* Consultants Bureau Translation

A8027

The Condensation of Isobutenylmagnesium Chloride  
With Carbonyl Compounds and With Tertiary Halides,  
by A. D. Petrov, V. L. Sushchinsky, L. D. Konovalev,  
6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 8,  
Aug 1955, pp 1566-1570. CIA C 42156.

Consultants Bureau

Sci - Chemistry

35,089

Jun 1956/Dex

Synthesis and Reactions of Chloro(2-Methylallyl)  
Silanes, by A. D. Petrov, G. I. Hlilishin, 6 pp.

Full tr

RUSSIAN, no par, Iz Ak Nauk SSSR, Otdel Khim Nauk.  
No 2, 1956, pp 263-268. CIA 504938 C, Reel Br 16  
293-249

Consultants Bureau

Scientific - Chemistry  
Sep 56 CTS/dex

38,449

Cyanocetylation of Trichlorosilane, by A. D.  
Petrov, V. F. Mironov, V. M. Vdovin, S. I.  
Sadykh-Zade, 2 pp.

Full text

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 2, 1956, pp 256-257, CIA 564938 C, Reel No 15

Consultants Bureau

Scientific - Chemistry  
Sep 86 CTB/lex

38,453

Synthesis of Branched Aliphatic Hydrocarbons  
of  $C_{11}$ - $C_{16}$  Composition Via the  $\beta$ -Alkenyl  
Halides, by A. D. Petrov, V. M. Melekhin, 6 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 7,  
1955, pp 1327-1333. CIA C 42051

Consultants Bureau

Scientific - Chemistry  
May 56 CTS/dax

34,248



Isomeric Transformations of Acetylene Halides in The  
Organic Elementary Synthesis of Alcohols, A. D. Petrov,  
E. P. Kaplan, 6 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 7,  
1955, pp 1323-1326. CIA C 42051

Consultants Bureau

Scientific - Chemistry  
May 56 CTS/dex

34,246

Cyanoethylation of Organosilicon Amines, by  
V. F. Mironov, A. D. Petrov, H. A. Pogonkina,  
4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,  
No 5, Jul/Aug 1955, pp 768-XX 769. CIA C 41476  
4

32,63/

Consultants Bureau

Scientific - Chemistry  
Mar 56 CTS/dex

Organomagnesium Synthesis of Dibutyl-1-Naphthylphenylsilane, 1-Naphthyltri-p-Tolylsilane, Tribenzyl-1-Naphthylsilane, and Benzyl-1-Naphthylphenyl-p-Tolylsilane, by V. S. Chugunov, A. D. Petrov, 3 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, USSR, 1953, pp 713-715.

Consultants Bureau

Scientific - Chemistry

Dec 54 CTS

19,736

Synthesis and Properties of Silicon-Hydrocarbons  
and Their Derivatives, by A. D. Petrov.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 3, 1957,  
pp 292-344.

Tech and Com

Sci - Chem

SLA 59-10685

A pr 58

62,249

Synthesis of Diallylsilanes, by A. D. Petrov,  
V. F. Mironov, V. G. Glukhovtsev, 2 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,  
No 6, 1954, pp 1123. CIA C 41022

Consultants Bureau

Scientific - Chemistry  
Mar 56 CTS/dex

32,145-

Synthesis and Properties of Allylsilanes: Triallyl- $\alpha$ -naphthylsilane, Triallylcyclohexylsilane, Triallylbutylsilane, and Allyltributylsilane, by A. D. Petrov, L. L. Shchukovskaya, 2 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, May-Jun 1952, pp 564-565.

Consultants Bureau

USSR  
Scientific - Chemistry

Mar 54 CTS/DEX

10,233

*x (cable)*  
*ATIC*

*A. D. Petrov*  
*(Book)*

Behavior of  $\gamma$ -Halogenodialkenyls in the Grignard-  
Wittig Synthesis, by A. D. Petrov, M. A. Cheltsova,  
E. A. Chernyshev, 6 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otch. ~~Trin~~ ~~Trin~~,  
No 6, Nov-Dec 1952, pp 1087-1092.

Consultants Bureau

Scientific - Chemistry  
Jul CEN/DEK

15,924



Synthesis and Properties of (1-Methylallyl)- and  
2-Butenyl-Silanes, by A. D. Petrov, V. A. Ponomarenko,  
V. I. Boikov, 6 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 3, USSR, May-Jun 1954, pp 504-510. CIA D 151316

Consultants Bureau

Scientific - Chemistry *23,768* CTS 68/May 55

Synthesis and Properties of Unsaturated Silicohydrocarbons: Dimethyldi-(Methylallyl)-silane, Methyldi-(Methylallyl)Silane, Methyltri(Methylallyl)Silane, Tetra(Methylallyl)-Silane, Trimethylcyclopentadieny-lsilane, and Trimethylbut-3-Enylsilane, by A. D. Petrov, G. I. Kishishin, 4 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 6, Nov-Dec 1954, pp 1128-1130.

2

Consultants Bureau

Scientific - Chemistry  
Jul CTS/DEX

15,944

Synthesis of Silicohydrocarbons From  $\beta$ -Silicohalides  
and Alkyl-Lithium, by A. D. Petrov, V. P. Lavrishchev  
4 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 6, Nov-Dec 1957, pp 1125-1127.

2 Consultants Bureau 9

Scientific - Chemistry  
Jul CAS/DEK

15,943

Synthesis and Properties of Tetrapropylmethane,  
Tetrabutylmethane, and Tetrahexylsilane, by A. D.  
Petrov, E. A. Chernyshev, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 6, Nov-Dec 1952, pp 1082-1086.

Consultants Bureau

Scientific - Chemistry  
Jul CTS/DEK

15,923

The Synthesis and Properties of Some Triaryl  
Alkyl Bilanes, by P.S. Sanin and A.D. Petrov, 3 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 7,  
Jul 1952, pp 1124-1126.

CONSULTANTS Bureau

USSR

Scientific - Chemistry

Feb 54 CTS

9694

On the Synthesis of Tri-Alpha-Naphthylmonoethoxy  
Silane, Tri-Alpha-Naphthylphenyl Silane, Tri-Alpha-  
Naphthyl Silane and Di-Alpha-Naphthylidiphenyl  
Silane, by A. D. Petrov, V. S. Chugunov, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXVII,  
No 5, 1951, pp 815-818.

Sci Trans Center RT-662

Scientific - Chemistry  
CIS/DEK

10,971

Synthesis and Properties of Branched  $C_{12}$ - $C_{24}$   
Paraffinic Hydrocarbons, by A. D. Petrov,  
10 pp.

<sup>3</sup>  
RUSSIAN, per, Dok Ak Nauk Azerbaydzhani SSR, No 11,  
1955, pp 747-754, Encl to IR-1843-56, AFOIN-1A1.

AF 1049829

USSR

*43,057*  
Sci - Chemistry, Diesel and Kerosene Fuels  
Jan 57 CTS

The Reaction of the Esters of Cinnamic Acid With  
Isopropylmagnesium Bromide, Isobutylmagnesium Iodide  
and Bromide, n-Butylmagnesium Bromide and Phenyl  
Magnesium Bromide, A. D. Petrov, P. S. Rataev.

The Journal of General Chemistry of the USSR, Vol XI,  
No 12, Dec 1950, pp 2323 - 2328 (Russ p 2296).

Consultants Bureau  
New York

USSR

A-550



Reaction of 2-Methylallylmagnesium Chloride with Esters  
of Palmitic and 2-Ethylhexanoic Acids, by A. D. Petrov,  
V. M. Melikhin, O. M. Nefedov, 3 pp.

Full translation.

RUSSIAN, hmo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 2, Mar/Apr 1955, pp 380-384. CIA D 151364

Consultants Bureau

Scientific - Chemistry

26, 124

Synthesis and Physical and Chemical Properties  
of Vinylethynylsilanes, by A. D. Petrov, S. I.  
Sadykhzade, Yu. P. Egorov, 10 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 4, USSR, 1954, pp 722-732. CIA D 151337

Consultants Bureau

Scientific - Chemistry

CTB 69/Jun 55

24,610.

Synthesis of Paraffinic Hydrocarbons With Two  
Adjacent Quaternary Carbons, by A. D. Petrov,  
L. I. Lavrishcheva, 6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 4, USSR, 1954, pp 733-740. CIA D 151337

Consultants Bureau

Scientific - Chemistry

CTB 69/Jun 55

24,611

Reaction of 3-Buten-1-ynylmagnesium Bromide with  
Halotriphenylsilanes, by A. D. Petrov, S. I. Sadykhzade,  
V. M. Vdovin, 2 pp.

Full translation.

RUSSIAN, bimo per, In Ak Nauk SSSR. Otdel Khim Nauk,  
No 1, Jan/Feb 1955, ppl81. CIA D 151341

Consultants Bureau

Scientific - Chemistry

24,496

Jun 55

Organolithium Synthesis of Some  $\alpha$ -Naphthylsilanes,  
by A. D. Petrov, S. I. Sadykhzade.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol LXXXV, 1952, pp 345-347.

Assoc Tech Sv RJ-217  
\$4.20

Scientific - Chemistry  
CTB 73/Oct 1955

27,479

Synthesis of Branched Aliphatic Hydrocarbons Via  
2-Alkenyl Halides, by A. D. Petrov, 8 pp.

~~ENEN~~

Full translation.

RUSSIAN, bino per, Iz Ak Nauk, Otdel Khim Nauk,  
No. 2, Jul/Aug 1955, pp 639-648. CIA C 41476

4

Consultants Bureau

32, 611

Scientific - Chemistry  
Mar 56 CTS/dex

Let Us Discuss the Article "Special Features of  
Present-Day Aerial Combat" 2. Find New Tactical  
Methods, by A. F. Petrov, 6 pp.

RUSSIAN, per, Vest Voz Flot, No 2, 1959, pp 29-33.  
549524

USSR  
Mil  
Oct 59

99,972

Some Data on the Content of Mercury in the Soils  
of the Nagol'nyi Range, by Dvornikov, A. G.,  
Petrov, V. Ya., 8 pp.

RUSSIAN, per, Geokhim, No 10, 1961.

Geokhim Soc

Bel

Nov 62

216,341



(DC-4437)

The Re-organization of the Line Service Over a  
City Telephone Network, by A. G. Petrov, A. G.  
Serkhov, 4 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1947, pp 3, 4.

JPRS 6219

Sci

Dec 60

134,202

Petrov, A. I.  
CONDITIONS FOR COMPLETE PHYSICAL SIMILARITY  
OF INCOMPRESSIBLE LIQUID FLOWS IN ROTA-  
METERS (FLOAT-TYPE FLOW METERS) AND  
METHODS OF CALIBRATING ROTAMETERS. [1963]  
7p (figs omitted) 1ref  
Order from OTS or SLA \$1.10

63-20293

Trans. of an unidentified Russian article, n.p., 1953.

DESCRIPTORS: \*Flowmeters, \*Calibration, Fluid  
flow, \*Incompressible flow.

(Mechanics--Hydrodynamics, TT, v. 10, no. 12)

63-20293

1. Title: Rotameters  
1. Petrov, A. I.

6158

Office of Technical Services

Quantitative Determination of CH<sub>2</sub>-Groups in Open  
Chains Containing Not Less Than Four Links, by E.A.  
Glebovskaya, E.I. Maksimov, A.K. Petrov, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol. XIV, No. 4, 1959,  
pp 478-482.

CB

Sci  
Sep 60

126,462

New Method of Lubricating Molds by Using Petrolatum,  
by G. A. Khasin, P. P. Menushenkov, A. K. Petrov,  
et al, 3 pp.

RUSSIAN, per, Metallurg, No 5, 1960,  
pp 21-23.

Acta Metallurgica

Sci

159, 711

Jul 61

Construction of Telephone Intercommunication Facilities in  
Kolkhozes and Sovkhozes, by A. M. Petrov, 5 pp.

RUSSIAN, prir, Vestnik Svyazi, No 5(278), 1963.

JPRS 21009

USSR  
Econ  
Sept 63

343,998

(NY-4854)

Public Inspection of the State of Safety Technique  
and Industrial Hygiene at Enterprises of the  
Moscow City Radio Broadcasting Management, by,  
A. M. Petrov, 5 pp.

RUSSIAN, per, Vestnik Svyazi, No 6, 1959.

JPRS 5991

147,530

Sci.

Ap: 61

Contribution to Helminthology, by  
A. J. Petrov.  
RUSSIAN, rpt, 1953, 797 pp.  
IPSI No 1412

Apr 67

An Instrument for Marking the Handles of  
Linemen's Tools, by A. M. Petrov, 17 pp.  
RUSSIAN, per, Vestnik Svyazi, No 9, 1960.

JPRS 5920

147,510

Sci

Apr 61



Tetrameres (Tetrameres Zakharovi Nov Sp), by A.M.  
Petrov....

RUSSIAN, per, Trud Gos Inst Exp Vet Sci, Vol III,  
Moscow, 1926, pp 99-113.

INSDOC-T2208

Sci

Jul 59

92,470

A Study of the Life Cycle of Lung Worm of Tur-  
key and its Agents for Filarioidosis  
and Strongyloidosis, by A. N. Petrov.  
RUSSIAN, part, Dzel Vses Akad Sol'skoih Nauk,  
Vol 5, 1937, pp 291-294.  
1937  
2-30-68  
OF 1000000

A.N. PETROV

Sol/1937  
Nov 68

368,507

On the Theory of the Stark Effect and Excitons  
in Ice Crystals, by A. M. Petrov, G. G. Taluts,  
M. Sh. Gitterman, 6 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol IX, No 3,  
1960, pp 327-331.

PF

Sci

Apr 61

149,607

Experimental Reproduction of Q-Fever and Serological  
Research, by A. P. Zotov, M. P. Chomakov, A. A.  
Markov, M. I. Stepanova, A. N. Petrov

RUSSIAN, as per, Veterinariya, Vol XXXIII, No 7,  
1956, pp 44-53. CIA 9006561

USDA

#0,125

Sci -- Medicine  
Oct 56 CTS

Some Methodological Questions in the Study of High  
Molecular Hydrocarbons, by L. N. Kvirkovskiy, Al. A.  
Petrov, 8 pp

RUSSIAN, per, Zhur Prikl Zhim, Vol XXXIV, No 3, 1961  
pp 613-620

CB

Sci

Feb 62

186,890

Synthesis and Properties of Hydrocarbons of  
Mixed Structure and High Molecular Weight.  
Communication 1. Synthesis of  $C_{24}$  Hydrocarbons.  
Al. A. Petrov, S. R. Sergiyenko, A. I. Tsedilina,  
9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 10, 1960, pp 1848-1857.

CB

Sci

172, 755

Oct 61

Viscosity Properties of Some C<sub>24</sub> Cyclic Hydrocarbons,  
by P. I. Sanin, Al. A. Petrov, S. R. Sergiyenko,  
et al, 11 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXIII, No 4,  
1960, pp 919-930.

CB

Sci

May 61

150,690

Synthesis and Properties of Dimethyl Substituted  
Alkanes of the  $C_{12}$ - $C_{16}$  Composition, by Al. A.  
Petrov, S. R. Sergiyenko, et al, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 8, 1959, pp 1421-1424. 9660219

AFIC MCL 453

Bcl

Mar 61

143,964



**Effect of Alloying Practice Upon Quality of Aluminum-Containing  
Constructional Steels, by A. K. Petrov, V. K. Petrov, et al.  
RUSSIAN, per, *Stal'*, Vol XVII, No 4, 1958, pp 762-764.**

**MB 3000**

**Sci + M/M**

**Mar 64**

**330,789**

On the Relative Frequency Stability of Molecular  
Generators, by N. G. Basov, A. P. Petrov.

RUSSIAN, per, Radiotekh i Elektron, Vol III, No 2,  
1958, pp 298, 299.

MIT Lincoln Lab

Sci - Electron

Apr 58

62,145

(DC-6406)

The Present State and Methods of ~~EN~~ Developing  
Automation and Telemechanics in Railroad Trans-  
portation, by A. P. Petrov, ~~XX~~ L. F. Pustovoytov,  
14 pp.

RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 10, 1961, pp 18-26.

JPRS 11875

180,721

USSR  
Econ  
Jan 62

The Capacity of Railroad Lines, by  
D/ P. Zaglyudinov, A. P. Petrov, ~~E. S. Sergeyev~~  
E. S. Sergeyev, 26 pp, (ID 467208)  
UNCLASSIFIED CIA D 145216

RUSSIAN, bk, Organizatsiya Dvizheniya no  
Zhелеznodorozhnou Transport, Moskov, 1947,  
pp 273-299.

20,518 G-2, GSUSA G-3638

USBR

Economic - Transportation, Rail Dec 54 CTS

The Ways of Solving Basic Scientific Problems of  
Railroad Operation in the USSR, by A. P. Petrov,  
26 pp.

<sup>yes</sup>  
RUSSIAN, per, Vestnik Nauchno-Issled. Instit  
Zhелеznodorozhnogo Transporta, No 4, Moscow,  
Jun 1957, pp 6-16.

US JPRS/DC-L-971

USSR

Moscow - Railroad transport

75:761

Analysis of Operation of a Single-Tuned Amplifier  
Converter With Nonlinear Capacitance, by  
V. N. Detinko, A. S. Petrov, 6 pp.

RUSSIAN, per, Radio i Elek, Vol VIII, No 10,  
1963.

IEEE

Sci  
Sept 64

267,083

Forced Oscillations in an Electrical Circuit  
With a Nonlinear Capacitor, by V. N. Detinko,  
A. S. Petrov, 13 pp.

RUSSIAN, per, Iz Vyssh Ucheb Zaved Fiz, No 6,  
1962, pp 90-98. 9669397

PTD-TT-63-476

Sci-Phys  
July 6:

236,070

Forced Oscillations in an Electrical Circuit  
With a Nonlinear Capacitor, by V. N. Detinko,  
A. S. Petrov, 13 pp.

RUSSIAN, per, Iz Vyssh Ucheb Zaved Fiz, No 6,  
1962, pp 90-98. 9669397

FTD-TT-63-476

Sci-Phys  
July 63

236,070



(DC-6789)

The Communist Labor Movement and Perfection of  
Social Relations, by A. S. Petrov, 29 pp.

RUSSIAN, per, Sovet Etnografiya, No 1, 1962,  
pp 76-82.

JPRS 13805

USSR.  
Soc  
May 62

196, 143

The Reaction of  $\alpha$  and  $\beta$ -Chloroalkylsilane  
Chlorides With Aromatic Compounds in the Presence  
of Aluminum Chloride, by A. S. Petrov

RUSSIAN, no par, Zhur Obahoh Khim, Vol XIV,  
1955, pp 2469-2474.

Assoc Tech Sv RJ-486  
\$6.90

Sci - Chemistry  
Jan 57 CTS

42,322

66

Method for Determining an Active  
Spot in a Plasmatron Channel, by  
A. V. Petrov and A. I. Morenov.  
RUSSIAN, pat. Patent No 166,978.  
\*FID-TT-66-87

*A. V. Petrov*

66-1111  
66-1111

On the Choice of the Optimal Mode of Operation of  
a Cascade Thermoelectric Element, by B. Ya.  
Moishes, A. V. Petrov, 8 pp.

RUSSIAN, per, Zhur Tekhn Fiz, Vol XXXII, No 4, 1962,  
pp 461-472.

Amer Inst Phys  
Sov Phys - Tech Phys  
Vol VII, No 4

Sci

214,909

Oct 62

The Effect of Rolling Welds on the Properties of  
Welded Joints in Heat-Resisting Type SM Steels,  
by A. V. Petrov, M. H. Shtrikman, 7 pp.

RUSSIAN, per, Svaroch Proiz, No 7, 1961,  
pp 10-12.

ENRA

Sci  
Aug 62

206,510

The Automatic Welding of Steel Sheet Using a  
Pulse-type Arc and Argon Shielding, by A. V.  
Petrov, G. A. Slavin, 6 pp.

RUSSIAN, per, Svaroch Proiz, No 2, 1962,  
pp 18-40.

EMRA

Sci  
Jun 63

232,680

The Properties of Welded Joints in Sheet Metal of  
Type SN Steels, by A. V. Petrov, M. M. Shtrickman,  
6 pp.

RUSSIAN, per, Avtomat Svarka, No 8, 1961, pp 25-30.

BWRA

Sci  
23 Jul 62

204,253

Study of the Parameters of the Shielding Gas Jet  
in Arc Welding, by A. V. Petrov, M. M. Shtrikman,  
6 pp.

RUSSIAN, per, Svaroch Proiz, No 5, 1961,  
pp 5-7.

BWRA

Sci

193,720

Jun 62



(NY-3001/7)

The Distribution of Rare Elements in the Products  
of Concentration of Copper and Copper-Zinc Ores,  
by A. I. Okunev, V. A. Oshman, A. V. Petrov,  
10 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, 1959,  
pp 49-54.

JPRS 2811

USSR

Econ - Technological

20 Jun 60

118,505

Heat Transfer During Bipolar Diffusion of Current  
Carriers in Lead Telluride and Selenide, by  
E. D. Dovyatkova, A. V. Petrov, I. A. Smirnov,  
3 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol. III, No 5,  
1961, pp. 1338-1341.

AIP  
Sov Phys - Solid State  
Vol. III, No 5

Sci

Mar 62

189,094

49  
Certain Principles of the Construction of  
Permanent Storage Devices, by A. V. Petrov, 9 pp.  
Moscow, Vysshaya Tekhnicheskaya  
Shkola, Vyshechnaya Tekhnicheskaya  
Shkola, Vyshechnaya Tekhnicheskaya, no 5,  
1958, pp 66-74.

ALU/IL/PT-24-295-69

*A. V. Petrov*

Sci-Jen  
Nov 68

70.214

Heat Conductivity and the Chemical Bond in  $ABX_2$ -Type  
Compounds

by A. V. Petrov and E. L. Shtrum pp 5

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 6, 1962,  
p 1442-1448

Amer Inst of Phys  
Sov Phys - Solid State  
Vol IV, No 6

21

341,066

un 63

Fused Quartz as a Model Material in Thermal  
Conductivity Measurements, by E. D. Devyatkova,  
A. V. Petrov, I. A. Smirnov, 8 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol II, No 4,  
1960, pp 738-746.

AIP  
Sov Phys-Solid State

Sci

Jan 61.

138, 230

Experiment in Endolymen Air and Oxygen  
Therapy of Patients with Severe Pain  
of Lumbosacral Radiculitis, by A. V. Petrov,  
V. S. Lobzin

RUSSIAN, no pag, Voenno Med Zhur, No 12,  
Moscow, Dec 1959, pp 69-72

US JPRS 2313

Sci

Mar 60

109,704

Arch Welding With Various Shielding Gases, by  
A. V. Petrov

RUSSIAN, per, Svarochnoye Proizvodstvo, No 8,  
1957, pp 6110.

Butcher Tr 4115  
~~Butcher~~ \$5.80

Sci - Engr

Jun 58

65,728

Classification of Spaces Defining Gravitational Field,  
by A. Z. Petrov, 22 pp.

RUSSIAN, per, Uchenyye Zapiski Kazanskogo Gosudarstvennogo  
Universiteta imeni V. I. Ul'yanova-Lenina, Vol CXIV, No 8,  
1954, Kazan.

JPRS DC/P-15

CIA/FOD X-5262

Sci  
Jun 59



Einstein Spaces, by A. Z. Petrov,

RUSSIAN, monograph, 1961.

\*Gordon and Breach

Sci  
16 Feb 62  
Vol VI, No 7

Centrally-symmetric Gravitational Fields  
By A. Z. Petrov, pp. 6

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLIV,  
No 5, 1963, pp. 1525 - 1533

Amer Inst of Phys  
Sov Phys JETP - 1963  
Vol XVII, No 5

240-795

Sci

Oct 63

Petrov, A. Z., Katiorodov, V. R., and Abdullin, V. N.  
THE CLASSIFICATION OF GRAVITATIONAL FIELDS  
OF GENERAL TYPE BY GROUPS OF MOTIONS. I  
(Klassifikatsiya Polei Tyagoteniya Obshchego vida po  
Grupпам Izhivshentii, I). Apr 61 [16]p. 15 refs.  
RTS 1754.

Order from: OTS or SLA \$1.60

61-19703

Trans. of Izvestiya Vysshykh Uchebnykh Zavedeniy.  
Matematika (USSR) 1959, no. 6(13) p. 118-130.

DESCRIPTORS: \*Gravity, \*Relativity theory,  
\*Groups (Mathematics), \*Motion.

A survey.

(Physics--Theoretical, TT, v. 6, no. 1)

61-19703

- I. Petrov, A. Z.
- II. Katiorodov, V. R.
- III. Abdullin, V. N.
- IV. RTS-1754
- V. Department of Scientific  
and Industrial Research  
(Gt. Brit.)

Office of Technical Services

Isomerization of Saturated Hydrocarbons.  
Communication 3. Isomerizations of Cycloalkanes,  
by Al. A. Petrov, S. R. Sergiyenko, A. L. Tsedilina,  
A. N. Kisilinskiy, G. D. Gal'pern, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 6, 1958, pp 730-738.

Consultants Bureau

Sci

Apr 60

112,258

Synthesis of High Molecular Hydrocarbons of Compound  
Structure, by S. R. Sergiyenko, ~~in~~ L. M. Kvirkovskiy,  
A. I. Tshedilina, Al. A. Petrov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, n No 1, 1958,  
pp 541-543.

Consultants Bureau

Sci - Chem

Jun 59

88, 773

Academy of Sciences of the USSR, auth by B. Petrov,  
4 pp.  
RUSSIAN, bk, Bol'shaya Meditsinskaya Entsiklopediya,  
Vol I, col 411-413, 1956, Encl to ER-1699-57,

AF 1144731

Sci - Misc; Medicine  
Enc 57

56, 420

Training of the Parachutist, by B. Petrov,  
M. Lobanov, A. Belousov, 38 pp. ~~240 pp.~~

Podgotovka Parashutistov  
RUSSIAN, bk, publ by DOSAAF Printing House,  
Moscow, 1954.

~~G-2, OSUGA~~  
ACS, I, G-5658

USSR  
Military

31, 311

B-Spectrograph With an Inhomogeneous Magnetic Field,  
by M. Karsunsky, V. Keiman and B. Petrov. UNCLASSIFIED

Full translation.

RUSSIAN, Physical Technical Institute, Academy of  
Sciences of the Ukrainian SSR.

AEC-Tr-1408

Russia

Scientific - *Physics - Spectrograph*

14 -

Nov 52 CTS/DEK

4 5040



68  
Experimental Determination of Compressive Pressure on  
the Walls of a Reinforced Concrete Silo, by  
H. A. PETERSON.  
JOURNAL OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, Vol. XXIV, No. 2, 1930,  
pp. 12-13.  
C 2/24/200/200/200/200

Sci - M/24  
Apr 64

207,234

S-5134

(DC-2814)

The Use of a Dosimeter for Measuring Solar  
Ultraviolet Radiation, by N. A. Lebedev, B. A.  
BETTER Parov, 9 pp.

RUSSIAN, per, Gig i San, No 2, 1959, Moscow,  
pp 11-15.

JPRS-L-1784-D

Sci - Medicine, radiation  
Aug 51

93, 351

Nikolay Aleksandrovich Semashko and the New Stage  
in the Development of Public Health Service, by  
B. D. Rukhovich, 6 pp  
MOSCOW, per, Klinicheskaya Meditsina, No 12, Dec  
64, pp 3-11.  
JPRS 21505

UINRA  
Sci-7/11  
Apr 75

271,762

SANITARY EDUCATION AT A NEW STAGE, BY B. D. PETROV,  
7 PP.  
RUSSIAN, PER, SOVIET ZEMSHCHINNIYE, VOL XXII, NO 7,  
1963, PP 3-8.  
JPRS 21409  
9  
34,681  
BIO. & MED SCI  
OCT 63

Review: On the Book by S. S. Mikhaylov "The Medical  
Service in the Russian Navy in the Eighteenth Century"  
by D. D. Petrov

RUSSIAN, MD per, Voenno Med Zhur, No. 11, Moscow,  
Nov 1957, pp 93 - 94

US JFIS/HY-289

60,627

*Sci-Med*

(FDD 25899)

Problems in Studying the History of Medicine, by  
B. D. Petrov, 17 pp.

RUSSIAN, bimo per, Sov Zdrav, Vol XIV, No 1,  
Moscow, 1955, pp 47-53

CIA/FDD/U-7871

USSR

Sci - Medicine, miscellaneous

33,140

is Soil-Geographical Regions of Western China,  
E. V. Lobova, B. F. Petrov, 18 pp. 9078504

SSIAN, per, Pochvovedeniye, No 3-4, 1945, pp 189-198.

QTB 60-21854  
PI-480

I - China  
MOE  
p 61  
IT No 255

166,964

Soils of Western Europe From the Viewpoint of the  
Russian School of Pedology, by L. I. Prasolov,  
B. F. Petrov, 22 pp. 9078492

RUSSIAN, per, Pochvovedeniye, No 9, 1944, pp 393-409.

OTIS 60-21852  
PL-480

MM  
MM  
Geog, Econ  
Sep 61  
PBT NO 253

166, 966



NAVAL TACTICS AND THE OBJECTS OF EXAMINING THEM,  
BY B. F. PETROV, 10 PP.

POLISH, PER, PRZEMIAN BODENI, NO 9, 1962,  
PP 3-11.

JPRS 1962

USSR  
MIL  
JUN 63

231,728

Characteristics of the Soil Cover of Baraba, by  
B. F. Petrov, 131 pp.

RUSSIAN, par, Trudy Pochvennogo Inst imeni V. V.  
Dobrukhayeva, Ak Nauk SSSR, Vol XXXVI, 1952,  
pp 11-105. 9076593

OTS 60-51167  
PL-480

154,013

Sci. - Geophysics  
May 61  
PST No. 198